



tecumseh

AE4460Y-FZ3C

220 - 240V 1~ 50 Hz

Compressor

HBP

R-134a

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-134a	50HZ	848	2893	
R-513A	50HZ	871	2971	

(*) Operating conditions ARI 520-90 : Dew / T°Cond. 120°F / T°Evap 20°F / T°Evaporating 20°F / T°Superheat 32°F



*Non-contractual picture

Dimensions

Weight	11.1 kg (24 lb)
Length	198 mm (7.8 in)
Width	161 mm (6.3 in)
Height	207 mm (8.2 in)
Ø Suction Tube	3/8 in (9.52mm)
Ø Discharge Tube	1/4 in (6.35mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	15.1
Horse Power	1/2
Compressor Cooling	Fan
Evaporating Temp. Range	-15°C to 15°C (5°F to 59°F)
Expansion Device	Capil. Tube/Expans. Valve
Oil Type	P.O.E 32
Oil Charge (cc)	366

Electrical

Motor Type	CSR
Main Winding (Ohm)	4.09
Start Winding (Ohm)	20.81
Current RLA 50Hz (A)	3.05
Current LRA (A)	18.5
Start Capacitor	72-88 µF / 330 V
Run Capacitor	7.5 µF / 400 V
Overload	T7905-54
- Time Check	6.5-16.0s / 11.0 A
- Open Temp / Close Temp	120 °C / 61 °C
Potential Relay	RVA4P3C
- Pick Up / Drop Out	/ 60-121 V

Note : Tecumseh reserves the right to change information contained in this document without notification.



tecumseh

AE4460Y-FZ3C

220 - 240V 1~ 50 Hz

Performances are given at rating conditions ARI 520-90
Conditions DEW

Evaporating : 20 °F
Superheat : 32 °F

50HZ R-134a

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	1397	1921	2556	3308	4182	5184	6320	7594
	Power Input	(W)	261	307	348	386	421	454	486	517
	Amps	(A)	1.61	1.81	1.98	2.13	2.26	2.39	2.52	2.67
105	Refrig. Capacity	(Btu/h)	1222	1680	2245	2922	3717	4635	5682	6863
	Power Input	(W)	262	312	359	402	443	483	521	560
	Amps	(A)	1.56	1.79	1.99	2.16	2.32	2.48	2.65	2.83
120	Refrig. Capacity	(Btu/h)		1474	1960	2554	3261	4088	5038	6118
	Power Input	(W)		319	372	423	471	519	566	613
	Amps	(A)		1.79	2.02	2.23	2.43	2.63	2.83	3.05
140	Refrig. Capacity	(Btu/h)			1628	2099	2676	3367	4176	5109
	Power Input	(W)			387	450	510	570	630	691
	Amps	(A)			2.06	2.34	2.6	2.86	3.12	3.4

© 2025 Tecumseh Products Company

50HZ R-513A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	1407	1912	2556	3334	4243	5278	6437	7713
	Power Input	(W)	299	335	374	418	467	520	579	644
	Amps	(A)	1.85	1.96	2.09	2.25	2.45	2.67	2.94	3.25
105	Refrig. Capacity	(Btu/h)	1250	1692	2270	2981	3820	4784	5868	7070
	Power Input	(W)	309	349	393	439	489	543	601	664
	Amps	(A)	1.89	2.02	2.17	2.34	2.53	2.75	3.01	3.3
120	Refrig. Capacity	(Btu/h)		1480	1980	2609	3364	4242	5239	6350
	Power Input	(W)		361	411	463	517	574	635	699
	Amps	(A)		2.07	2.24	2.44	2.65	2.88	3.14	3.43
140	Refrig. Capacity	(Btu/h)			1608	2109	2731	3473	4330	5298
	Power Input	(W)			424	488	553	619	687	757
	Amps	(A)			2.29	2.54	2.8	3.08	3.37	3.69